INDEX.

THE NAMES OF CONTRIBUTORS ARE PRINTED IN SMALL CAPITALS.

Acid, Sulfuric, Manufacture of, 479.
AGASSIZ, LOUIS, and T. H. HUXLEY, EDINBURGH REVIEWER, ASA GRAY, On the Reception of the Origin of Species, 181.
Agricultural Yearbook, 185.
Agriculture, Work of Department of, 285.
Alaska, Harriman Expedition of 1900, 281.
American, Association, Winter Meeting of, 283; Society of Naturalists, Chicago Meeting, 380; Mathematical and Physical Societies, 381; Chemical Society, Philadelphia Meeting, 381.
Antarctic Exploration, J. W. GREGORY, 209.
Arnold's Sea-beach at Ebb-tide, 90.
Association, American, Winter Meeting of, 283; British, French and German, for the Advancement of Science, 92.
Astronomical and Astrophysical Society of America, 381.
Aurora Borealis, Comets' Tails, the Corona, JOHN COX, 265.

Bacon, Friar Roger, EDWARD S. HOLDEN, 255.
BAILEY, SOLON I., Recent Total Eclipses of the Sun, 240.
Bailey on Twilight in the Tropics, 570.
Baldwin's Dictionary of Philosophy and Psychology, 378.
Bicentennial Exercises of Yale, 187.
BIGELOW, FRANK H., The Formation and Motions of Clouds, 495.
Bigourdan on the Metric System, 89.
Biographies of Eminent Chemists, 566.
Biology, Contributions to, from Investigations on the Breeding Salmon, YANDELL HENDERSON, 503.
Birds, Journeyings of, F. H. KNOWLTON, 323.
Black Belt, Theology versus Thrift in, CHARLES BARTLETT DYKE, 360.
Börnstein's Leitfaden der Wetterkunde, 186.
BRANNER, JOHN C., The Palm Trees of Brazil, 386.
British Association, Glasgow Meeting of, 92.

Cahow, The Story of the, A. E. VERRILL, 22.
Calkins's Introduction to Psychology, 186.
Calms, A Study of, EDWIN GRANT DEXTER, 521.
CAMERON, FRANK K., The Soil as an Economic and Social Factor, 539.
Carnegie Institution, 379; Trust Deed by Andrew Carnegie creating a Trust for the benefit of the, 470; Officers of, 475.
Cement for a Modern Street, S. F. PECKHAM, 145.
CHAMBERLAIN, ALEXANDER FRANCIS, Work and Rest, Genius and Stupidity, 413.
CHAPIN, CHARLES V., The End of the Filth Theory of Disease, 234.
Chemical, Industry of England, 191; Society, American, Philadelphia Meeting, 381.
Chemists, Biographies of Eminent, 566.
CLAYTON, H. HELM, The Influence of Rainfall on Commerce and Politics, 158.
Clouds, Formation and Motions of, FRANK H. BIGELOW, 495.
College-Man as Leader in the World's Work, R. H. THURSTON, 346.
Comets' Tails, the Corona and the Aurora Borealis, JOHN COX, 265.
Commerce, and Politics, Influence of Rainfall on, H. HELM CLAYTON, 158; Our Foreign, in 1901, FREDERIC EMORY, 529.
Convocation Week and Winter Meetings of Scientific Societies, 283.
Corson, Mrs. Hiram, Janet's Etat Mental des hystériques, 378.
COX, JOHN, Comets' Tails, the Corona and the Aurora Borealis, 265.
Culture, Human, and Environment in Relations to Sex in, OTIS T. MASON, 336.

DALL, W. H., Lamarck, the Founder of Evolution, 263; Alpheus Hyatt, 439.
DARWIN, CHARLES, On the Tendency of Species to form Varieties, 5.
DAVIS, BRADLEY MOORE, The Origin of Sex in Plants, 66.

Day, Length of, affected by Secular Cooling and Meteoric Dust, 190.
Degenerate Age, Is this a, J. J. STEVENSON, 481.
Deluge, The Noachian, G. FREDERICK WRIGHT, 279.
Democracy and the Recognition of Science, 477.
Descent of Man, LINDLEY M. KEASBEY, 365.
DEXTER, EDWIN GRANT, A Study of Calms, 521.
Dictionary of Philosophy and Psychology, 378.
Differentiation of the Human Species, LINDLEY M. KEASBEY, 448.
Discussion and Correspondence, 270, 377.
Disease, End of Filth Theory of, CHARLES V. CHAPIN, 234.
Draining of the Zuider Sea, J. H. GORE, 552.
DYKE, CHARLES BARTLETT, Theology versus Thrift in the Black Belt, 360.

Eclipse Expeditions, Work of the, 478.
Eclipses, Recent Total, of the Sun, SOLON I. BAILEY, 240.
Economic and Social Factor, Soil as, FRANK K. CAMERON, 539.
EDINBURGH REVIEWER, and T. H. HUXLEY, LOUIS AGASSIZ, ASA GRAY, On the Reception of the Origin of Species, 179.
Education, The National Control of, SIR JOHN E. GORST, 49.
Electromagnetic Basis for Mechanics, 94.
EMORY, FREDERIC, Our Foreign Commerce in 1901, 529.
Engineering, Books on, 474.
Environment in Relation to Sex in Human Culture, OTIS T. MASON, 336.
Evolution, Idea, Lucretius and the, WILLIAM L. POTEAT, 166; Lamarck, the Founder of, W. H. Dall, 263; Stellar, in the Light of Recent Research, GEORGE E. HALE, 291; of Fishes, DAVID STARR JORDAN, 556.
Exploration, Antarctic, J. W. GREGORY, 209.
Extinct Animals, Popular Books on, 473.

Fanaticism, Suicidal, in Russia, W. G. SUMNER, 442.
Filth Theory of Disease, End of, CHARLES V. CHAPIN, 234.
Fishes, of Japan, DAVID STARR JORDAN, 76; Evolution of, DAVID STARR JORDAN, 556.
Franklin's Philosophical Society, ELLIS PAXON OBERHOLTZER, 430.
Frear and Novy on Germicidal Action of the Organic Peroxides, 570.
French Association for the Advancement of Science, 92.
Fruits, Dried, Zinc in, 93.
Fuertes on Water Filtration Works, 474.
Functions of a Museum and of its Director, 377.

GALTON, FRANCIS, The Possible Improvement of the Human Breed under existing Conditions of Law and Sentiment, 218.
Genius and Stupidity, Work and Rest, ALEXANDER FRANCIS CHAMBERLAIN, 413.
Genus of Great Antiquity, a, 571.
Geological Society of America, Rochester Meeting, 381.
Germicidal Action of the Organic Peroxides, Novy and Frear on, 570.
German Men of Science and Physicians, 92.
Giddings on Inductive Sociology, 282.
GIFFEN, SIR ROBERT, The Importance of General Statistical Ideas, 106.
GLAZEBROOK, R. T., The Aims of the National Physical Laboratory of Great Britain, 124.
GORE, J. H., Draining of the Zuider Sea, 551.
GORST, SIR JOHN E., The National Control of Education, 49.
GRAY, ASA, and T. H. HUXLEY, EDINBURGH REVIEWER, LOUIS AGASSIZ, On the Reception of the Origin of Species, 183.
Green on the English Chemical Industry, 191.
GREGORY, J. W., Antarctic Exploration, 209.

HADDON, A. C., The Omen Animals of Sarawak, 80.
HALE, GEORGE E., Stellar Evolution in the Light of Recent Research, 291.
Harriman Alaska Expedition of 1900, 281.
HENDERSON, YANDELL, Contributions to Biology from Investigations on the Breeding Salmon, 503.
HILLS, FREDERICK LYMAN, Psychiatry —Ancient, Medieval and Modern, 31.
HOLDEN, EDWARD S., Friar Roger Bacon, 255.
Human, Breed, Improvement of, under existing Conditions of Law and Sentiment, FRANCIS GALTON, 218; Culture, Environment in Relation to Sex in, OTIS T. MASON, 336; Species, Differentiation of the, LINDLEY M. KEASBEY, 448.
HUXLEY, T. H., and The EDINBURGH REVIEWER, LOUIS AGASSIZ, ASA GRAY, On the Reception of the Origin of Species, 177.

Hyatt, Alpheus, W. H. DALL, 439.

Intellect, Human, Evolution of, EDWARD L. THORNDIKE, 58.
International Zoological Congress at Berlin, 188.
Intuitive Suggestions, Thomas on, 378.

Janet's Etat Mental des hystériques, 378.
Japan, Fishes of, DAVID STARR JORDAN, 76.
Johns Hopkins University, 568.
JORDAN, DAVID STARR, The Fishes of Japan, 76; The Evolution of Fishes, 556.
Journeyings of Birds, F. H. KNOWLTON, 323.

KEASBEY, LINDLEY M., The Descent of Man, 365; The Differentiation of the Human Species, 448.
KNOWLTON, F. H., The Journeyings of Birds, 323.

Lamarck, the Founder of Evolution, W. H. DALL, 263.
Lightning, The Spectrum of, 479.
Literary Problem, A Mechanical Solution of, T. C. MENDENHALL, 97.
Lucas's Animals of the Past, 473.
Lucretius and the Evolution Idea, WILLIAM L. POTEAT, 166.

MACDOUGAL, D. T., The Sensory Mechanism of Plants, 174.
MACMILLAN, CONWAY, The Minnesota Seaside Station, 193.
Magnitude and Mass of the Visible Universe, 287.
Man, Descent of, LINDLEY M. KEASBEY, 365.
MASON, OTIS T., Environment in Relation to Sex in Human Culture, 336.
Mathematical, American, and Physical Societies, Society for Plant Morphology and Physiology, 381.
Mechanics, 567; Electromagnetic Basis for, 94.
MENDENHALL, T. C., A Mechanical Solution of a Literary Problem, 97.
Message of the President, 283.
Meteoric Dust and Secular Cooling, Effect of, on Length of Day, 190.
Meteorology, Text-Book of, 186.
Metric System, 89.
Meyer, on American Museums, 382.
Minnesota Seaside Station, CONWAY MACMILLAN, 193.
Mosquitoes, Theobald on, 566.
Movements, Earliest Organic, Were they Conscious or Unconscious? 458.
Museum, Functions of a, and of its Director, 377; The National, 568.
Museums, American, Meyer on, 382.

National, Control of Education, SIR JOHN E. GORST, 49; Museum, 568.
Naturalists, American Society of, Chicago Meeting, 380.
Nature Study, Books on, 90.
Naval Observatory, 284.
Newcomb on the Stars, 281.
Nobel Prize, first Award, 92.
Novy and Freer on Germicidal Action of the Organic Peroxides, 570.
Nutrition, Pawlow's Researches on, 92.

OBERHOLTZER, ELLIS PAXON, Franklin's Philosophical Society, 430.
Observatory, The Naval, 284.
Omen Animals of Sarawak, A. C. HADDON, 80.
Origin of Species, On the Reception of, T. H. HUXLEY, THE EDINBURGH REVIEWER, LOUIS AGASSIZ, ASA GRAY, 177.

Paleontological Discoveries, 383.
Palm Trees of Brazil, JOHN C. BRANNER, 386.
Pawlow's Researches on Nutrition, 92.
PECKHAM, S. F., Cement for a Modern Street, 145.
Peroxides, Organic, Germicidal Action of the, 570.
Perseus, The New Star in, 286.
Philbrick's Field Manual for Engineers, 474.
Philosophical Society, Franklin's, ELLIS PAXON OBERHOLTZER, 430.
Philosophy, What is, FRANK THILLY, 513.
Physical Laboratory, National, of Great Britain, R. T. GLAZEBROOK, 124.
Plant Morphology and Physiology, Society for, 381.
Plants, The Origin of Sex in, BRADLEY MOORE DAVIS, 66; The Sensory Mechanism of, D. T. MACDOUGAL, 174.
POTEAT, WILLIAM L., Lucretius and the Evolution Idea, 166.
President's Message, 283.
Psychiatry—Ancient, Medieval and Modern, FREDERICK LYMAN HILLS, 31.
Psychological Books, Recent, 378.
Psychologique, L'année, 378.
Psychology, Introduction to, 186.
Rainfall, Influence of, on Commerce and Politics, H. HELM CLAYTON, 158.
Reptiles, Winged, S. W. WILLISTON, 314.

Salmon, Breeding, Contributions to Biology from Investigations on, YANDELL HENDERSON, 503.

Sarawak, Omen Animals of, A. C. HADDON, 80.
Science, Progress of, 92, 187, 283, 379, 475, 568; in 1901, 424; Democracy and the Recognition of, 477.
Scientific, Literature, 89, 185, 281, 378, 473, 565; Items, 96, 192, 288, 384, 480, 572; Societies, Winter Meetings of, 283; Meetings of, 380; Work Here and Abroad, 476.
Seaside Station, Minnesota, CONWAY MACMILLAN, 193.
Secular Cooling and Meteoric Dust, Effect of, on Length of Day, 190.
Seeley's Dragons of the Air, 473.
Sensory Mechanism of Plants, D. T. MACDOUGAL, 174.
Sex, in Plants, Origin of, BRADLEY MOORE DAVIS, 66; Environment in Relation to, in Human Culture, OTIS T. MASON, 336.
Sociology, Inductive, Giddings on, 282.
Soil, The, as an Economic and Social Factor, FRANK K. CAMERON, 539.
Species, Tendency of, to form Varieties, CHARLES DARWIN, 5; Human, Differentiation of the, LINDLEY M. KEASBEY, 448.
Spectrum of Lightning, 479.
Star, The New, in Perseus, 286.
Stars, Newcomb on the, 281.
Statistical Ideas, Importance of General, SIR ROBERT GIFFEN, 106.
Stellar Evolution in the Light of Recent Research, GEORGE E. HALE, 291.
STEVENSON, J. J., Is this a Degenerate Age? 481.
Street, Cement for Modern, S. F. PECKHAM, 145.
SUMNER, W. G., Suicidal Fanaticism in Russia, 442.
Sun, Recent Total Eclipses of, SOLON I. BAILEY, 240.
Suicidal Fanaticism in Russia, W. G. SUMNER, 442.
Sulfuric Acid, Manufacture of, 479.

TEACHER, A, Functions of a Museum and of its Director, 377.
Telegraphy, Wireless, 381.
Theobald on Mosquitoes, 566.
Theology versus Thrift in the Black Belt, CHARLES BARTLETT DYKE, 360.
THILLY, FRANK, What is Philosophy? 513.
Thomas on Intuitive Suggestions, 378.
THORNDIKE, EDWARD L., The Evolution of the Human Intellect, 58.
THURSTON, R. H., The College-Man as Leader in the World's Work, 346.
TITCHENER, E. B., Were the Earliest Organic Movements Conscious or Unconscious? 458.
Twilight in the Tropics, Bailey on, 570.

Universe, Visible, Magnitude and Mass of, 287.
University, Johns Hopkins, The, 569.

Varieties, on the Tendency of, to depart Indefinitely from the Original Type, ALFRED RUSSEL WALLACE, 13.
VERRILL, A. E., The Story of the Cahow, 22.
Virchow, Professor Rudolf, Eightieth Birthday of, 187.

WALLACE, ALFRED RUSSEL, On the Tendency of Varieties to depart Indefinitely from the Original Type, 13.
WILLISTON, S. W., Winged Reptiles, 314.
Wireless Telegraphy, 381.
Woodward on the Effect of Secular Cooling, 190.
Work and Rest—Genius and Stupidity, ALEXANDER FRANCIS CHAMBERLAIN, 413.
WRIGHT, G. FREDERICK, The Noachian Deluge, 279.
Wright's Flowers and Ferns in their Haunts, 91.

Yale Bicentennial Exercises, 187.
Yearbook of the U. S. Department of Agriculture, 185.

Zinc in Dried Fruits 93.
Zoological Congress, International, 188.
Zoology, Tendencies in, 95.
Zuider Sea, Draining of the, J. H. GORE, 552.